

**AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims of the application:

**LISTING OF CLAIMS:**

Claims 1 to 8 (Cancelled).

9. (New) A fuel assembly for a pressurized water nuclear reactor, the assembly comprising:

first nuclear fuel rods having a first content by weight of gadolinium; and

second nuclear fuel rods having a second content by weight of gadolinium, the second content being greater than the first content, wherein the first content by weight is greater than 2%.

10. (New) The assembly according to claim 1, wherein the first content by weight is one of greater than and equal to 2.1%.

11. (New) The assembly according to claim 1, wherein the first content by weight is one of greater than and equal to 2.2%.

12. (New) The assembly according to claim 1, wherein the first content by weight is one of greater than and equal to 2.5%.

13. (New) The assembly according to claim 1, wherein the first content by weight is one of greater than and equal to 3%.

14. (New) The assembly according to claim 1, wherein the first content by weight is one of greater than and equal to 4%.

15. (New) The assembly according to claim 1, wherein the first content by weight is one of greater than and equal to 5%.

16. (New) The assembly according to claim 1, wherein the first content by weight is one of greater than and equal to 8%.